

AVERP2544USA

Title: HALOGEN-FREE, PRINTABLE, MULTILAYERED SHRINK  
FILMS AND ARTICLES ENCAPSULATED THEREWITH

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**Abstract of the Invention**

10 The present invention relates to a halogen-free, multilayered heat shrink  
film comprising (A) a core layer comprising a copolymer of ethylene or propylene  
with an alpha olefin and the core having an upper and lower surface, (B) a skin  
layer on the upper surface of the core layer, wherein the skin layer comprises a  
polyolefin or polyolefin blend and (C) a printable layer on the lower surface of the  
core layer, wherein the shrinkage of the film is at least about 30%. The invention  
also relates to articles, including cylindrical articles such as batteries. The films  
15 have good shrinkage and avoids end puckering. Additionally, the films are  
printable, even with gravure printing. The films and labels produced therefrom  
may be applied at high speeds and have good heat stability.